

Requirements for Navy Combat Search and Rescue Helicopter

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Current USN CSAR Capability

- **Inventory Total: 39 HH-60H helicopters**
 - **Eleven Active-Duty HS Squadrons**
 - (4 SH-60F / 2 HH-60H)
 - **Two Reserve HCS Squadrons**
 - (8-9 HH-60H)

HH-60 “Strengths/Shortfalls”

- **“Goods:”**
 - **Over land and sea capability**
 - **RAST capable**
 - **Defensive suite**
 - **Crew-served weapons**
 - **AGM-114 Hellfire**
- **“Others:”**
 - **Cockpit field of view**
 - **Insufficient cabin door width / only one door**
 - **No aerial refuel capability**
 - **No heads-down FLIR navigation**
 - **No common data-link**

Future CSAR Helo Requirements

- **Annex A to CH-60S Operational Requirements Document (ORD)**
 - **Validated / approved 27 April 1998**
 - **Capability in CSAR “kits” (52 minimum)**
 - **IOC 2006**
- **ORD Update in work**

CH-60S CSAR Kit Requirements

- (No capability lost in shift from HH-60 to CH-60)
- AAS-44 FLIR/Self-defense suite (SH-60 common)
- Sikorsky External Stores Support System (ESSS)
- Two 200 gallon Internal Tanks
- Integrated Gun Mount System
- Downed Aircrew Locator System (DALIS)
- Moving map Display
- Link 16
- Aerial Refueling provisions

CH-60S CSAR

Performance Requirement

- Vertical takeoff, 90 deg F, sea level, five crew
- Transit 200 NM at best range speed, 500' MSL
- Five minute mid-mission hover, 3000 MSL (OGE)
- Pick up four 200 lb. survivors
- Return 200 NM at 500' MSL, land.

Range threshold: 200 NM (KPP)

Range objective: 300 NM